

4.2.E. 05130203050.

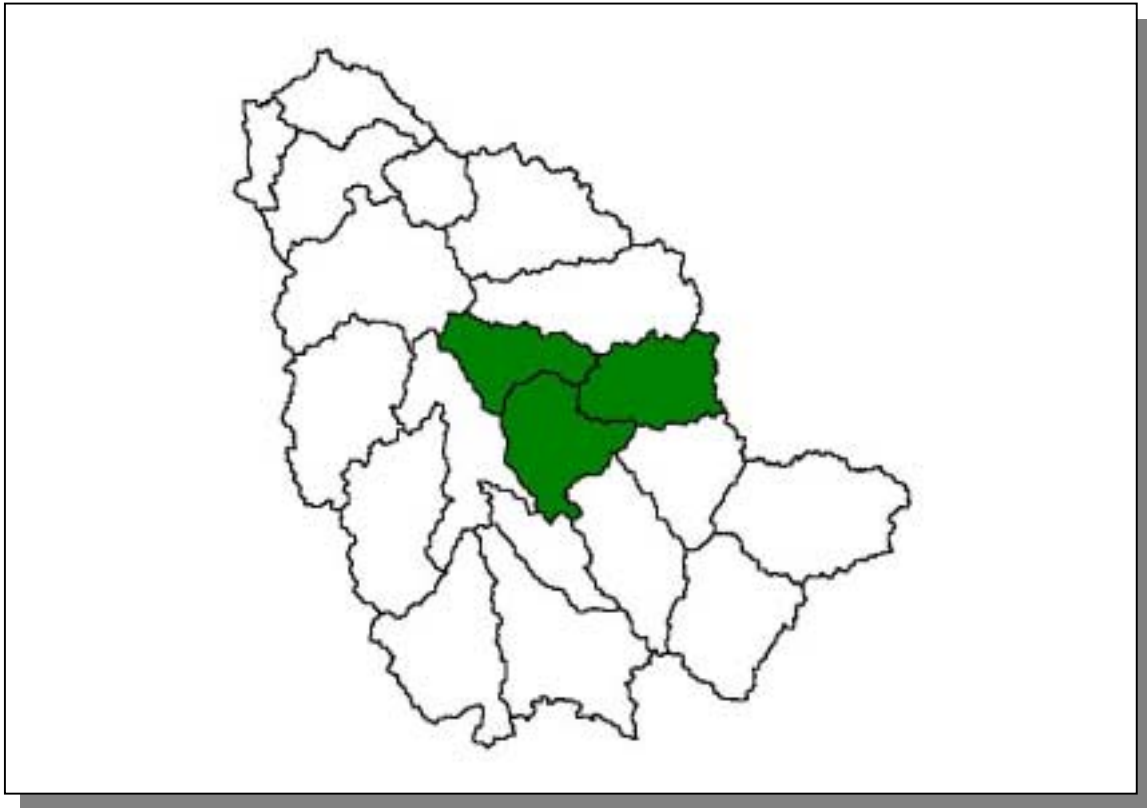


Figure 4-23. Location of Subwatershed 05130203050. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.E.i. General Description.

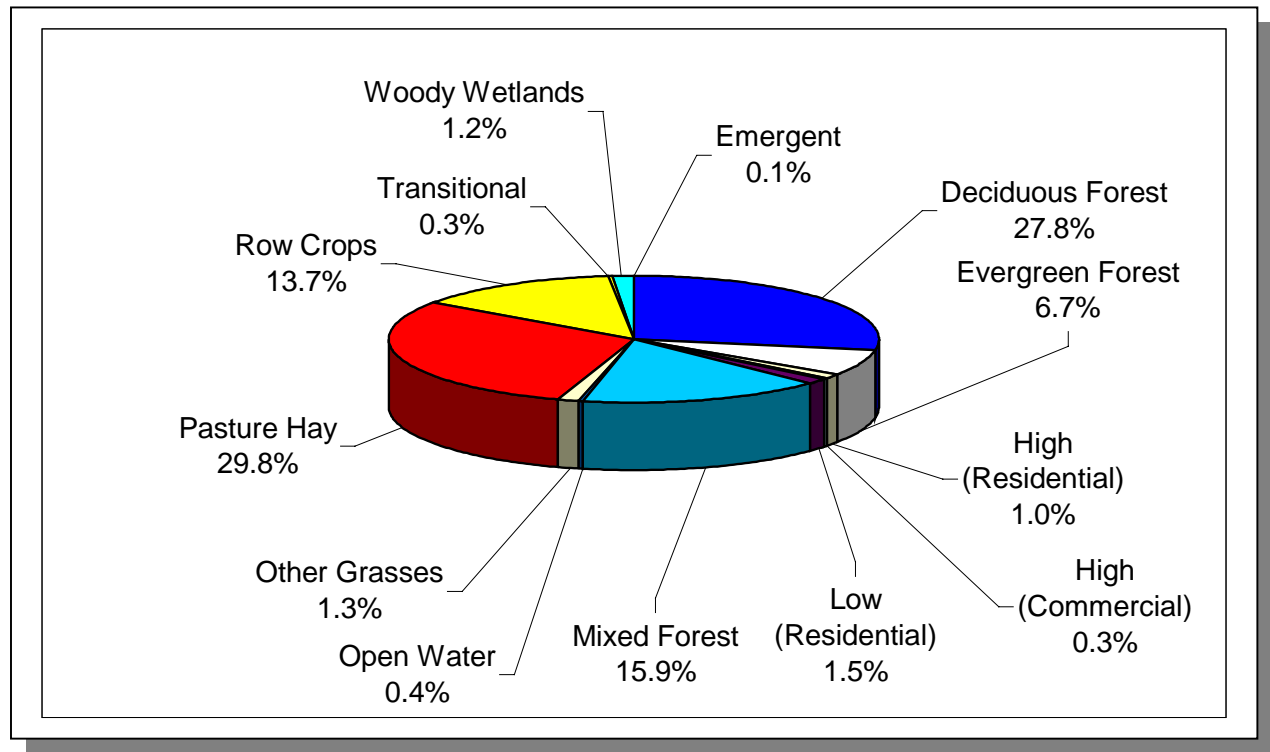


Figure 4-24. Land Use Distribution in Subwatershed 05130203050. More information is provided in Stones-Appendix IV.

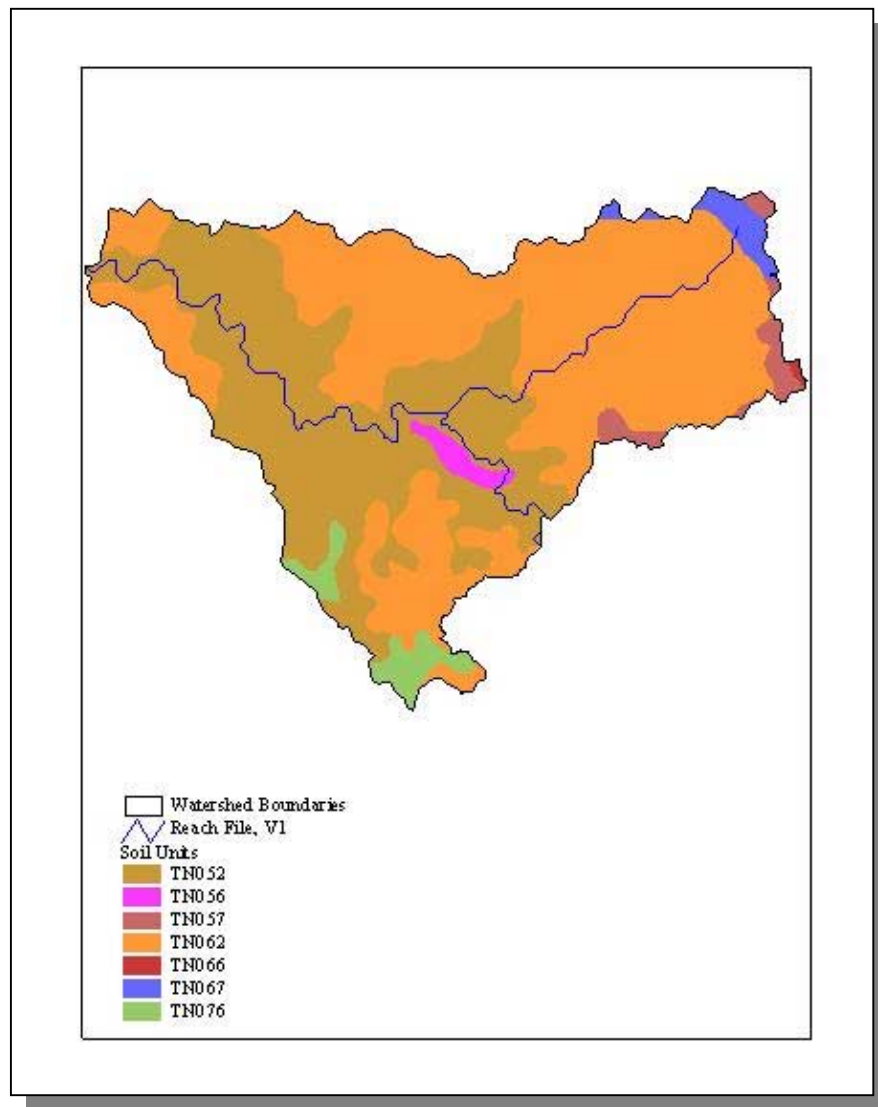


Figure 4-25. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203050.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATE SOIL TEXTURE	SOIL ERODIBILITY
TN052	0.00	B	1.23	5.46	Silty Loam	0.39
TN056	0.00	C	2.99	5.29	Sandy Clay Loam	0.25
TN057	0.00	C	1.14	5.01	Clay Loam	0.33
TN062	0.00	C	0.98	4.40	Clay Loam	0.26
TN066	0.00	B	2.62	4.75	Loam	0.28
TN067	2.00	C	2.69	5.51	Silty Loam	0.35
TN076	28.00	C	0.73	6.26	Silty Clay Loam	0.33

Table 4-26. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203050. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Cannon	10,467	12,011	0	0	0	0
Rutherford	118,570	159,987	17.07	20,238	27,307	34.9
Wilson	67,675	81,327	1.33	900	1,081	20.1
Totals	196,712	253,325		21,138	28,388	34.3

Table 4-27. Population estimates in Subwatershed 05130203050.

				Number of Housing Units		
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Murfreesboro	Rutherford	44,922	18,708	17,845	855	8

Table 4-28. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130203050.

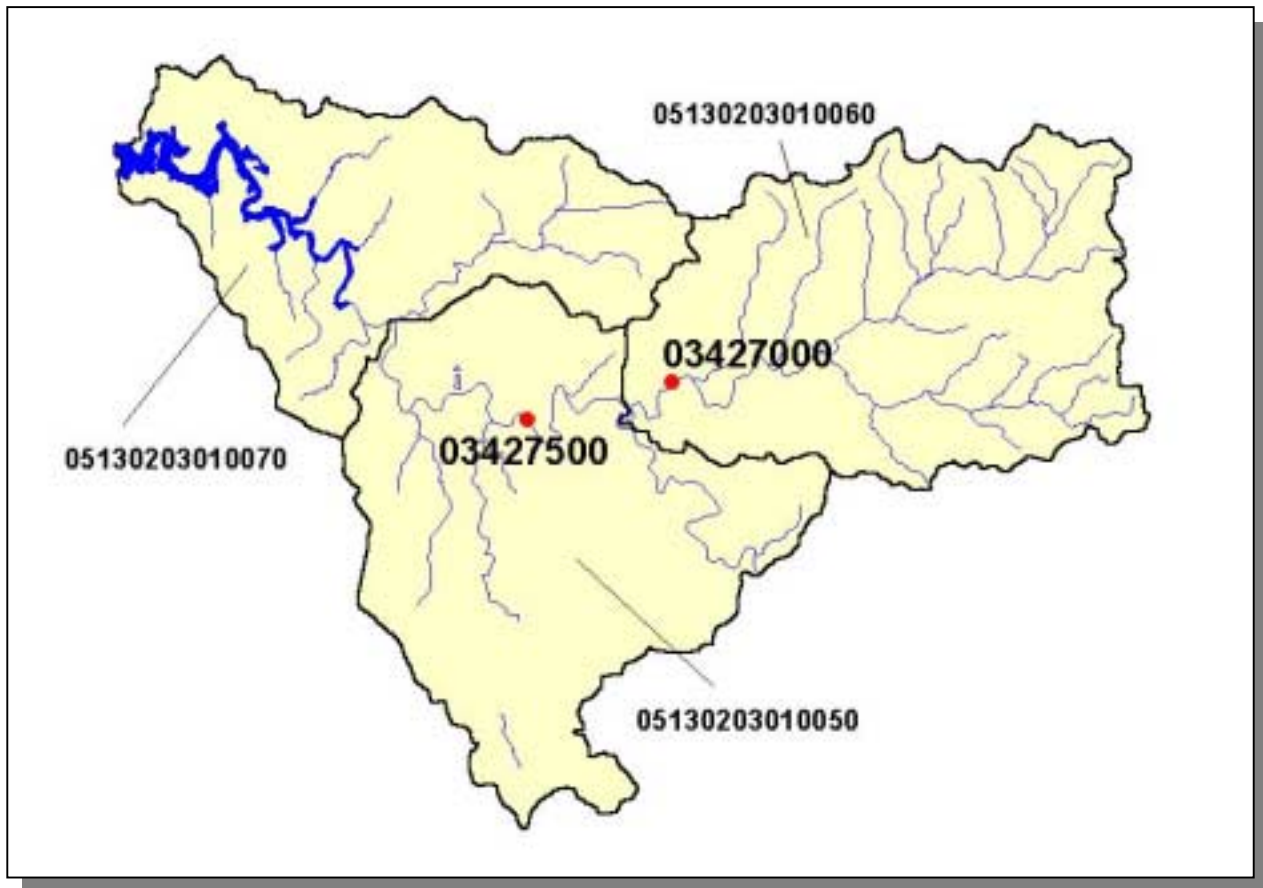


Figure 4-26. Location of Historical Streamflow Data Collection Sites in Subwatershed 051302030050. Subwatershed 05130203010050, 05130203010060, and 05130203010070 boundaries are shown for reference. More information is provided in Stones-Appendix IV.



Figure 4-27. Location of STORET Monitoring Site in Subwatershed 05130203050. Subwatershed 05130203010050, 05130203010060, and 05130203010070 boundaries are shown for reference. More information is provided in Stones-Appendix IV.

4.2.E.ii. Point Source Contributions.

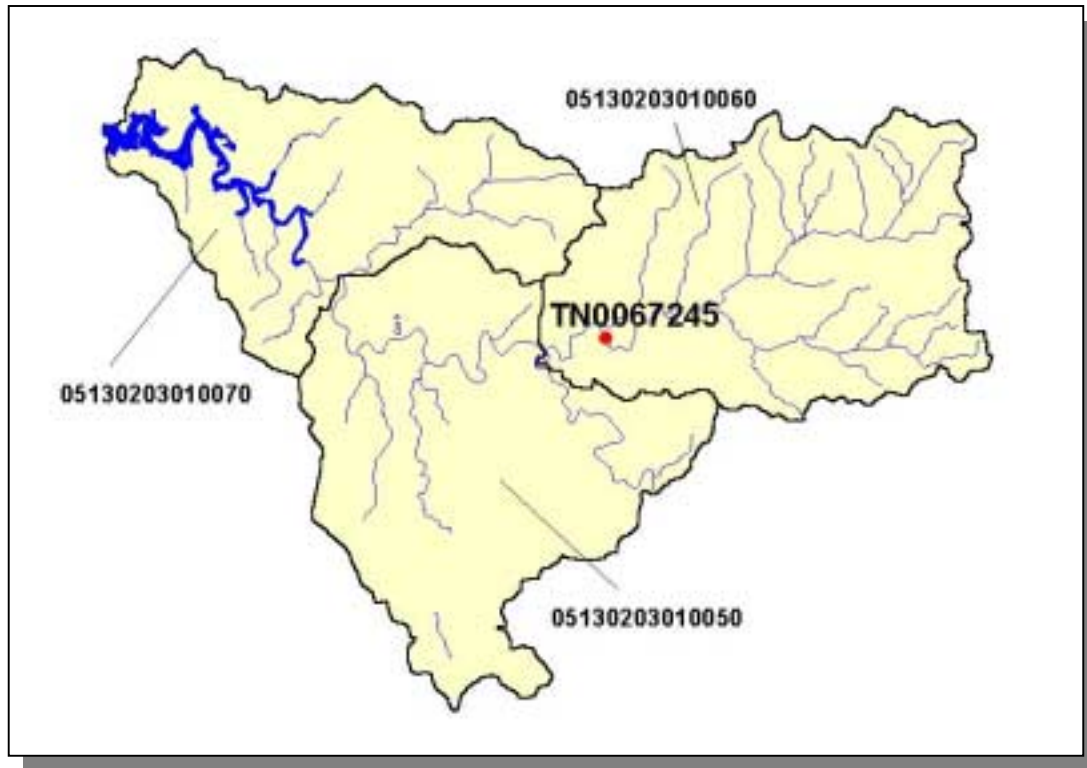


Figure 4-28. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203050. Subwatershed 05130203010050, 05130203010060, and 05130203010070 boundaries are shown for reference. More information, including the names of facilities, is provided in Stones-Appendix IV.



Figure 4-29. Location of Active Mining Sites in Subwatershed 05130203050. Subwatershed 05130203010050, 05130203010060, and 05130203010070 boundaries are shown for reference. More information, including the names of facilities, is provided in Stones-Appendix IV.

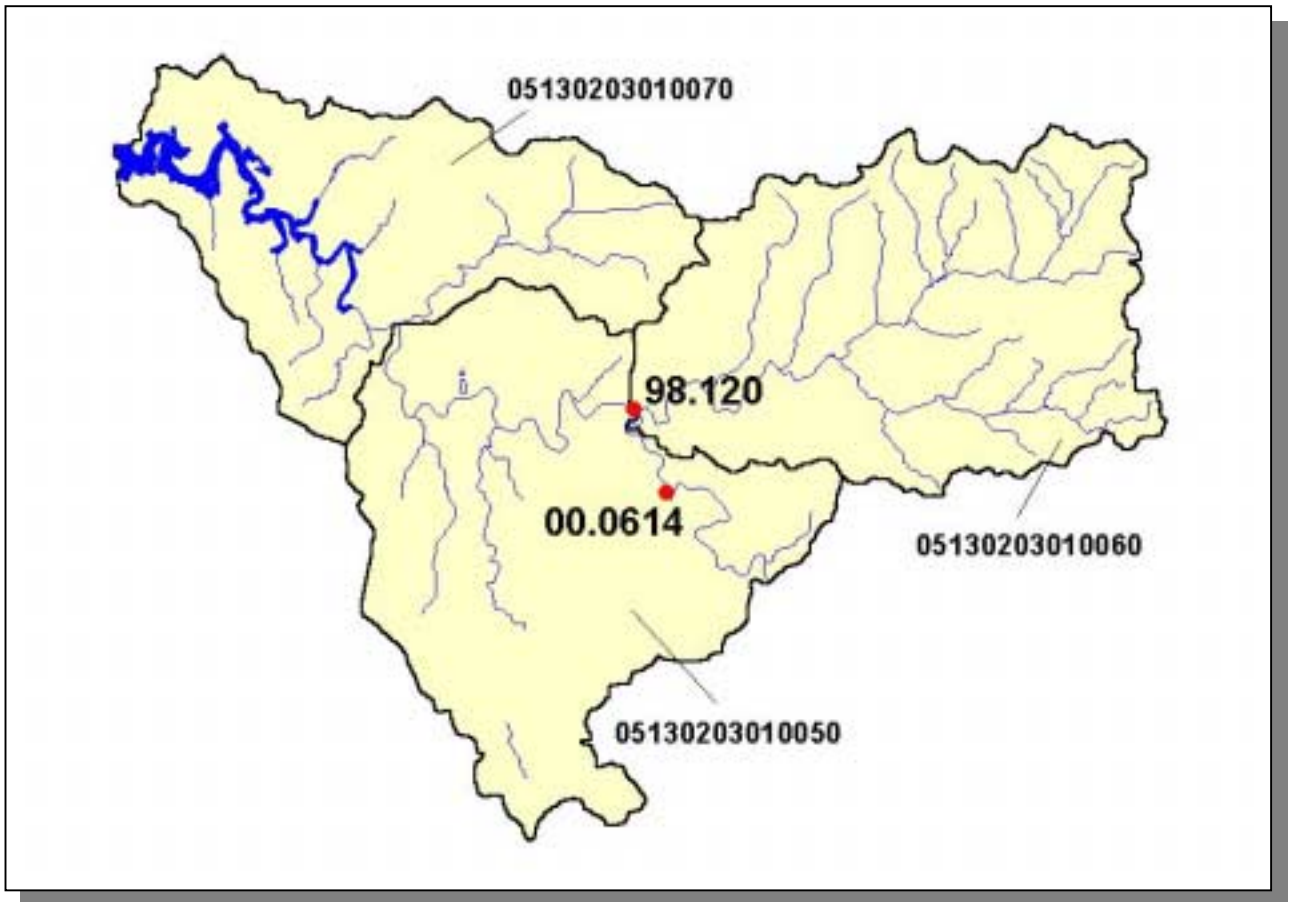


Figure 4-30. Location of Permitted ARAP sites in Subwatershed 05130203050. Subwatershed 05130203010050, 05130203010060, and 05130203010070 boundaries are shown for reference. More information is provided in Stones-Appendix IV.

4.2.E.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
4,801	9,947	583	16	242	100

Table 4-29. Summary of Livestock Count Estimates in Subwatershed 05130203050. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cannon	88.5	88.5	1.7	7.1
Rutherford	155.7	155.7	0.4	0.9
Wilson	98.1	97.0	1.7	6.8
Total	342.3	341.2	3.8	14.8

Table 4-30. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 05130203050.

CROPS	TONS/ACRE/YEAR
Corn (Row Crops)	3.52
Grass (Hayland)	0.22
Grass (Pastureland)	0.86
Grass, Forbs, Legumes (Mixed (Pasture)	0.57
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Non Agricultural Land Use	0.00
Soybeans (Row Crops)	3.08
Tobacco (Row Crops)	19.23
Wheat (Close Grown Cropland)	1.97
Legume Grass (Hayland)	0.48
All Other Close Grown Cropland	2.49
Berry (Horticultural)	0.47
Cotton (Row Crops)	4.79
Legume (Hayland)	0.32
Legume (Pastureland)	0.12
Conservation Reserve Program Land	0.28

Table 4-31. Annual Estimated Soil Loss in Subwatershed 05130203050.